

Converting Colors

XYZ(6.8237, 15.6837, 22.1353)

Have a look what the booklet for
XYZ(6.8237, 15.6837, 22.1353)
contains.

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Color

**XYZ(12.2268, 18.5309,
22.3344)**

Conversions

Conversions Part 1

Format	Color
Hex	00867D
RGB	0, 134, 125
RGB Percent	0%, 53%, 49%
CMY	0.9999, 0.4745, 0.5098
CMYK	1.00, 0.00, 0.07, 0.47
HSL	176°, 100%, 26%
HSV	176°, 100%, 53%
XYZ	12.2268, 18.5309, 22.3344
YIQ	92.9080, -76.9750, -31.2070

Conversions

Conversions Part 2

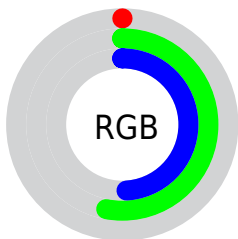
Format	Color
RYB	0, 69, 134
Decimal	34429
CIELab	50.13, -32.66, -3.93
CIELCh	50, 32.892, 186.857
Yxy	18.5309, 0.2303, 0.3490
Android (android.graphics.Color)	4278224509 (0xFF00867D)
YUV	92.9080, 15.8214, -81.4803
Hunter-Lab	43.0475, -24.6338, -0.6282

Details

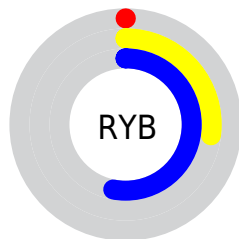
The XYZ color **12.2268, 18.5309, 22.3344** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8815, 5.0887, 0.7204**, and the grayscale version is **10.3616, 10.9012, 11.8714**.

A 20% lighter version of the original color is **29.5864, 41.0198, 48.4777**, and **4.3978, 6.7083, 7.9005** is the 20% darker color. If you saturate the color by 10%, you get **12.2270, 18.5315, 22.3344**, and if you desaturate by 10%, it is **12.4571, 18.6434, 22.6472**.

Distribution



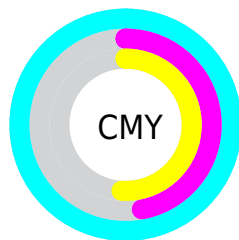
- Red (0%)
- Green (53%)
- Blue (49%)



- Red (0%)
- Yellow (27%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2268, 18.5309, 22.3344 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.2268, 18.5309, 22.3344 by changing the saturation by 10% instead.


 12.2268, 18.5309,
22.3344


 12.2268, 18.5309,
22.3344


199.6404,
243.8467, 277.2979


 6.9716, 11.3318,
13.9022


 29.5208, 40.9399,
48.2073


 3.4905, 6.2905,
7.9147


 42.2903, 56.9186,
66.4851


 1.4182, 3.0225,
3.9534

 58.2954, 76.5927,
88.8818

 0.2691, 1.1435,
1.5998

 77.9012, 100.3464,
115.8159

 0.0000, 0.0148,
0.2907

 101.4733,
128.5643, 147.7061

 0.0000, 0.0000,
0.0000

 129.3770,

161.6307, 184.9707

161.9776,
199.9301, 228.0285

■ 12.2268, 18.5309,
22.3344

■ 12.2268, 18.5309,
22.3344

■ 12.2270, 18.5315,
22.3344

■ 12.4571, 18.6434,
22.6472

■ 12.7904, 18.8085,
22.9671

■ 13.2856, 19.0570,
23.2974

■ 13.9624, 19.3990,
23.6389

■ 14.8373, 19.8431,
23.9924

■ 15.9255, 20.3971,
24.3586

■ 17.2402, 21.0678,
24.7383

■ 18.7940, 21.8617,
25.1318

■ 20.5981, 22.7846,
25.5399

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.5806, 18.5309, 14.0631



12.2268, 18.5309, 22.3344



13.1713, 18.5309, 32.5672

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.2268, 18.5309, 22.3344



21.5290, 18.5309, 37.6208



20.1196, 18.5309, 8.0034

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.2268, 18.5309, 22.3344



9.8815, 5.0887, 0.7204

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.9556, 18.5309, 11.4112



12.2268, 18.5309, 22.3344



23.8352, 18.5309, 27.8470

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.2268, 18.5309, 22.3344



18.3511, 18.5309, 42.9520



24.3862, 18.5309, 18.1632



16.8951, 18.5309, 7.3320

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.2268, 18.5309, 22.3344



14.4856, 18.5309, 38.6128



24.3862, 18.5309, 18.1632



21.1611, 18.5309, 8.8037

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.2273, 18.5316, 22.3348



30.2056, 37.0319, 43.5391



8.6659, 17.1232, 2.8489



6.6103, 8.2436, 9.7547



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2273, 18.5316, 22.3348



21.5198, 32.6406, 39.2324



7.0403, 7.1951, 23.5728



4.7885, 5.2736, 5.8973



11.4597, 17.3667, 20.9381



0.0407, 0.0606, 0.0779

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.8815, 5.0887, 0.7204



17.3864, 8.9556, 1.1489



11.2386, 7.8819, 0.9295



4.6843, 4.6934, 4.9500



9.2615, 4.7689, 0.6833



0.0329, 0.0168, 0.0064

Previews

White Background



This preview shows how the XYZ color 12.2268, 18.5309, 22.3344 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.2268, 18.5309, 22.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

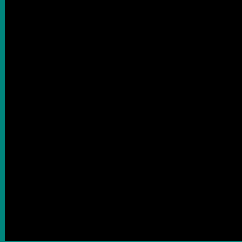
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2268, 18.5309, 22.3344

Background



This preview shows how black text looks on a background with the XYZ color 12.2268, 18.5309, 22.3344.



This preview shows how white text looks on a background with the XYZ color 12.2268, 18.5309,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.2268, 18.5309, 22.3344

Protanopia

17.6569, 18.3554, 19.1353

Deuteranopia

18.6974, 18.2821, 23.3122



Tritanopia

13.5639, 18.4769, 28.4427

Trichromacy



Original Color

12.2268, 18.5309, 22.3344

Protanomaly

13.6793, 17.3669, 20.0839

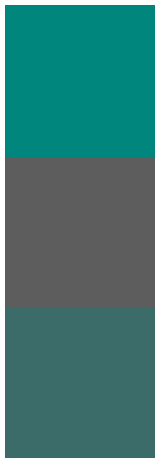
Deuteranomaly

14.1641, 17.1831, 22.9922

Tritanomaly

12.9837, 18.4288, 26.1654

Monochromacy



Original Color

12.2268, 18.5309, 22.3344

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.7160, 12.6749, 15.2990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2268, 18.5309, 22.3344 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 134, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 125)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 134, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.2268, 18.5309, 22.3344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 134, 125) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 134, 125) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 134, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2268, 18.5309, 22.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 125) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 134,  
125) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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